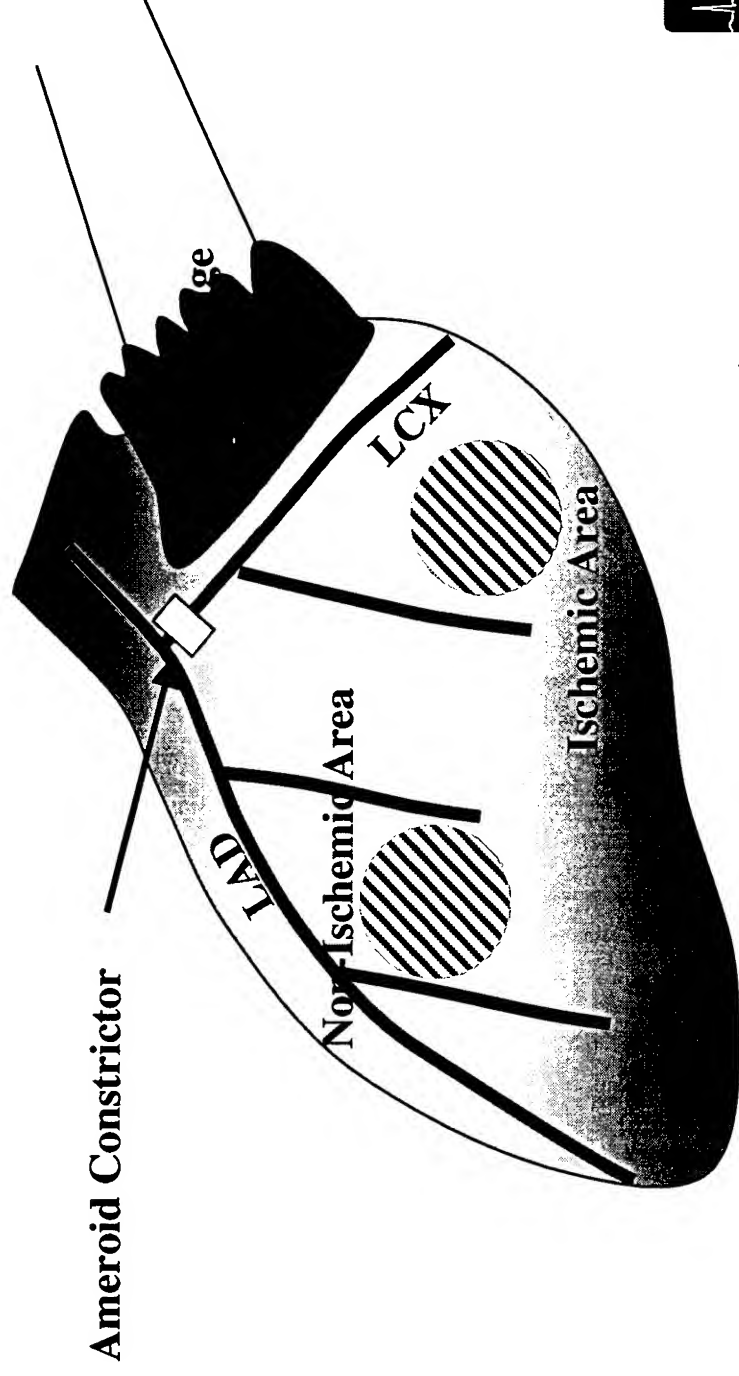


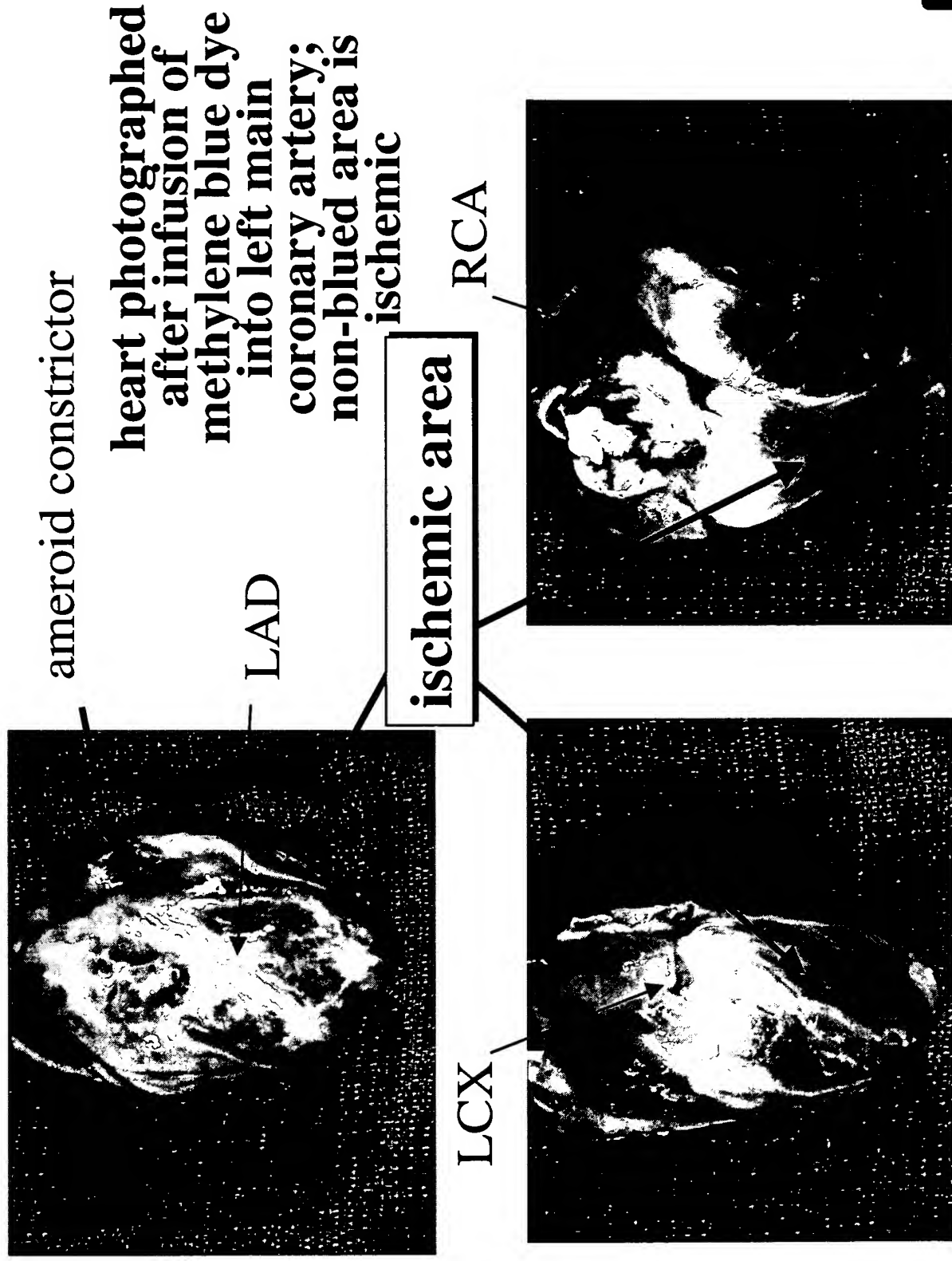
## Figure 1 Method (1)

### Animal preparation of chronic myocardial ischemia :

Juvenile crossbred farm pigs (~20-25kg) underwent a left lateral thoracotomy. An ameroid constrictor was placed around the proximal LCX just distal to main stem of left coronary artery matching the size of the vessel (typically 1.75, 2.00, or 2.25 mm ID).



# Figure 2 Ischemic Area Induced by Ameroid Constrictor



# Myocardial Blood Flow in Ad- $\beta$ gal Group

Ischemic Endocardial Zone

Rest

Pacing



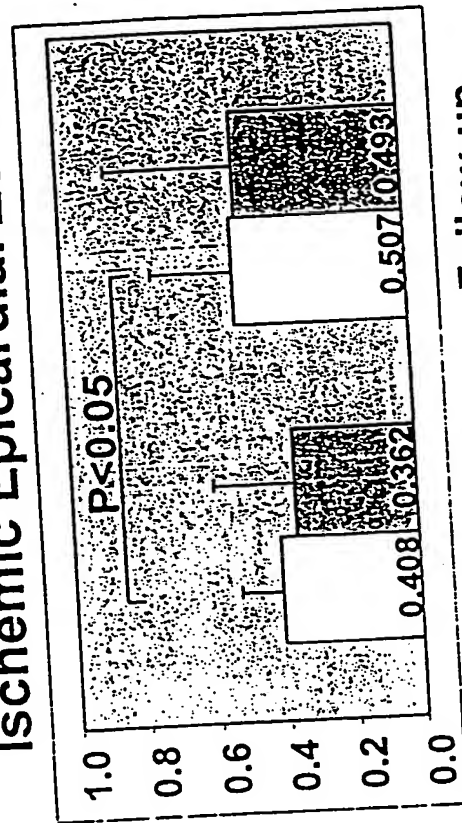
Baseline

Follow-up

Ischemic Epicardial Zone

Rest

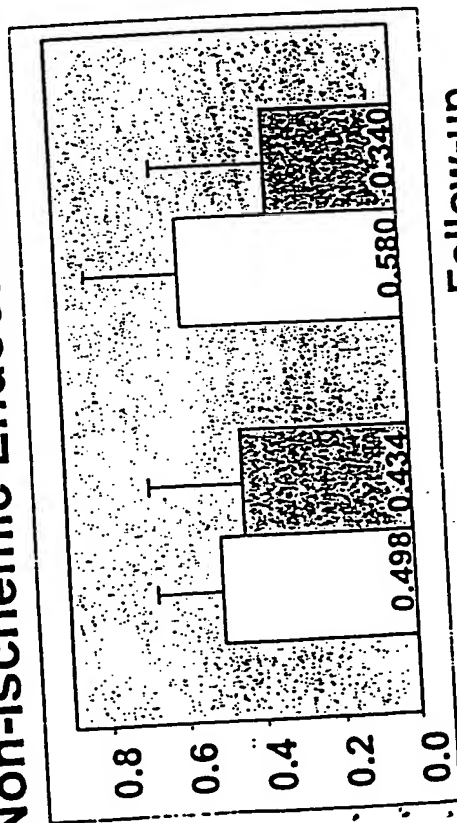
Pacing



Baseline

Follow-up

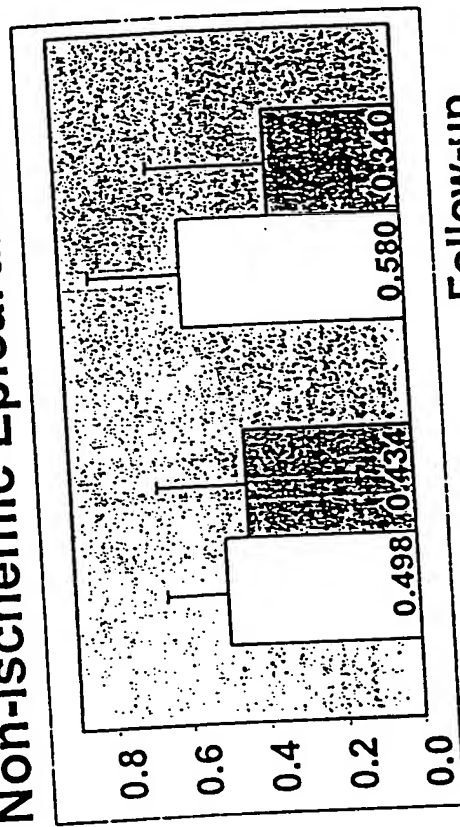
Non-Ischemic Endocardial Zone



Baseline

Follow-up

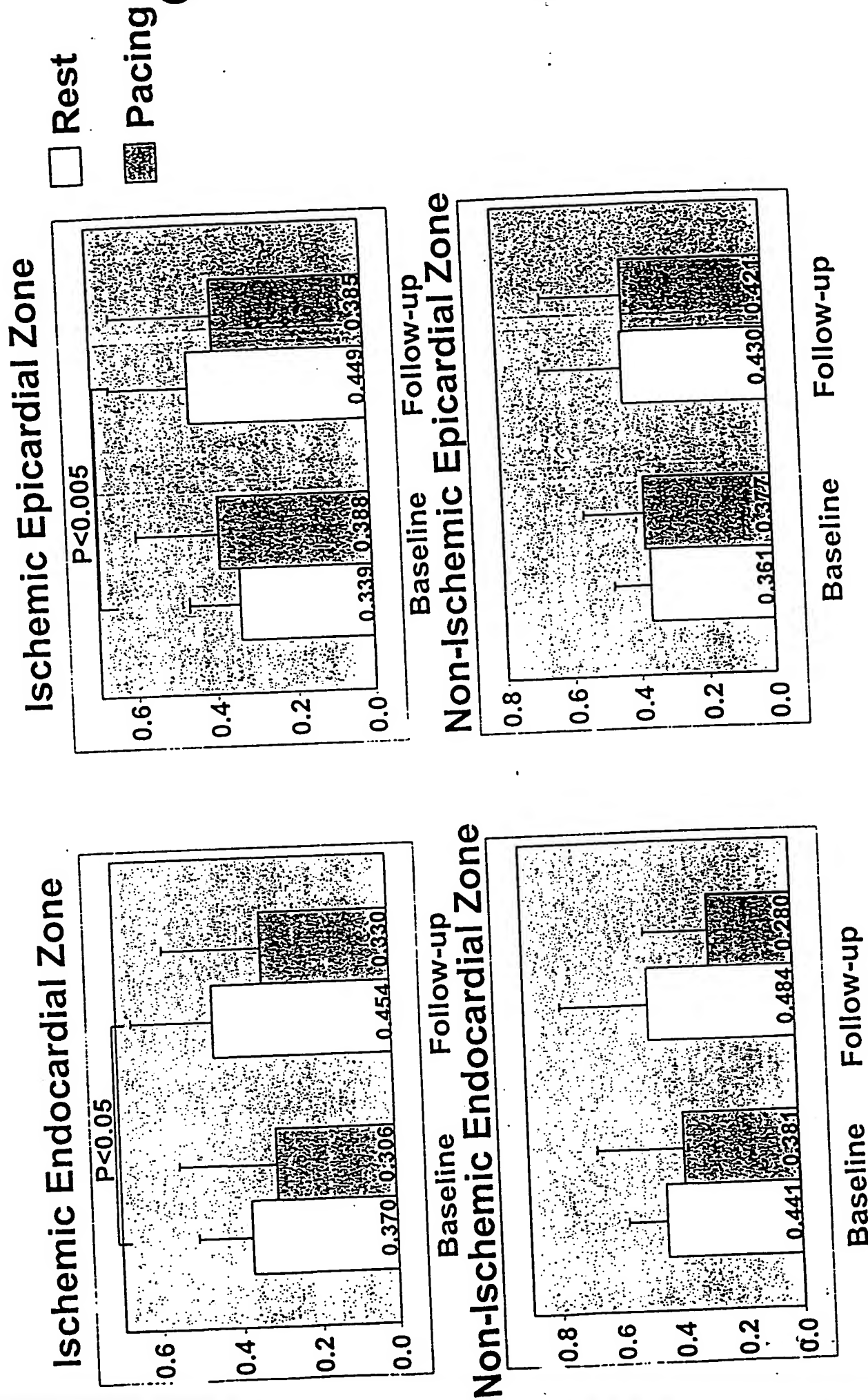
Non-Ischemic Epicardial Zone



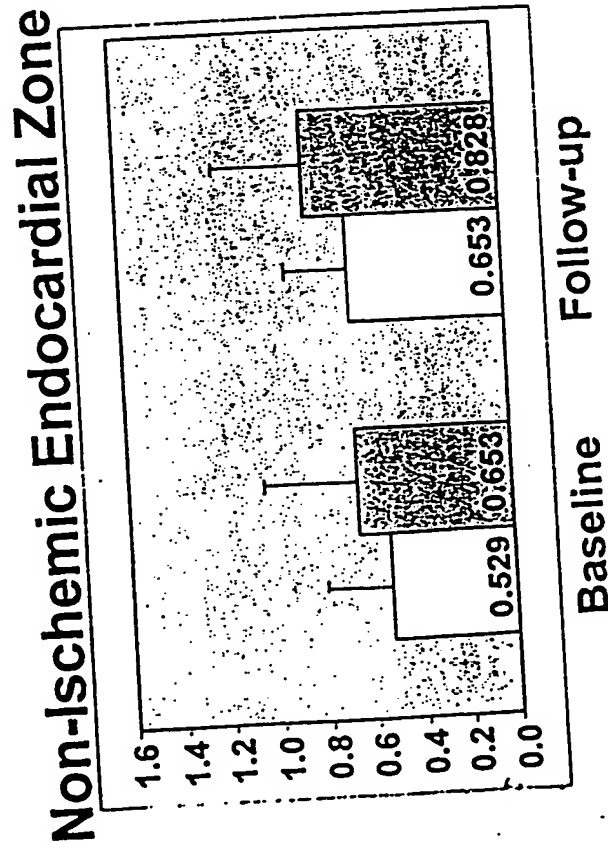
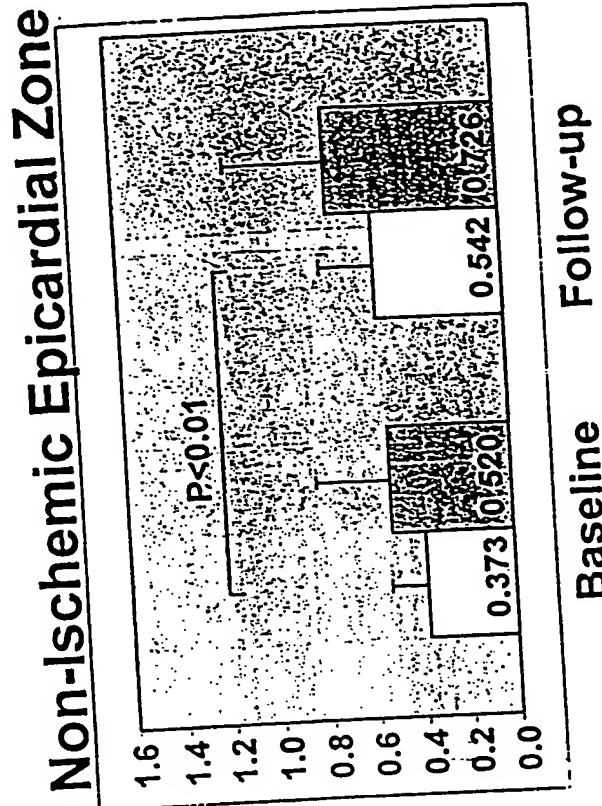
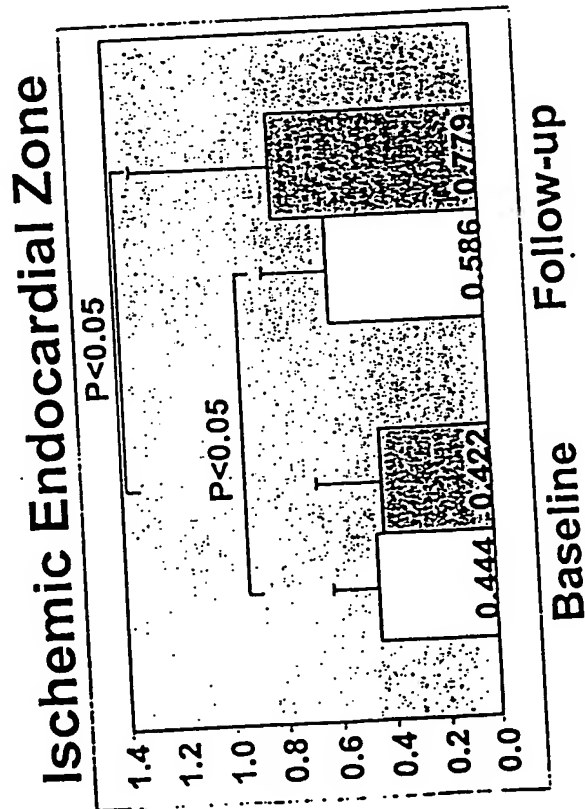
Baseline

Follow-up

# Myocardial Blood Flow in Ad-VEGF (Ischemic) Group

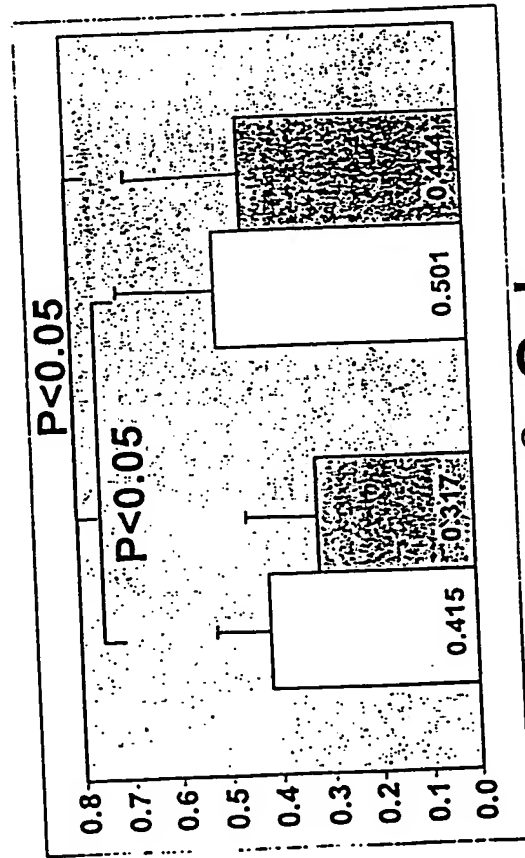


# Myocardial Blood Flow in Ad-VEGF (Non-Ischemic) Group

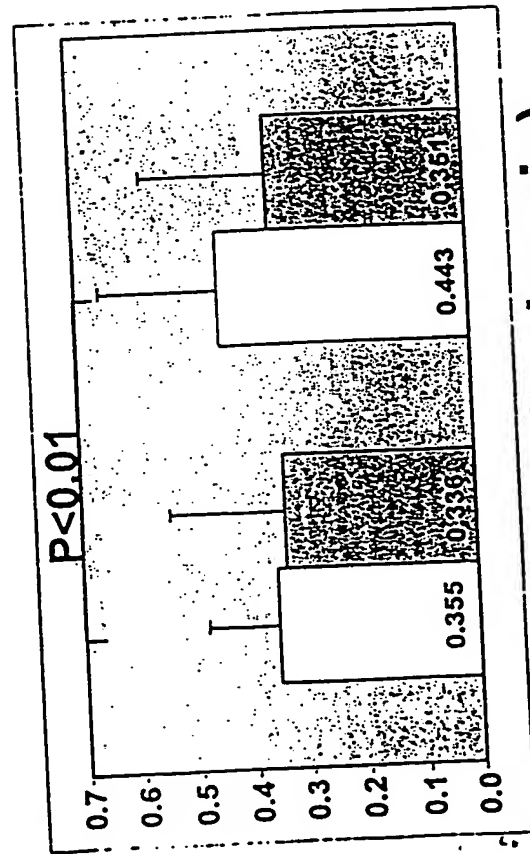


□ Rest  
■ Pacing

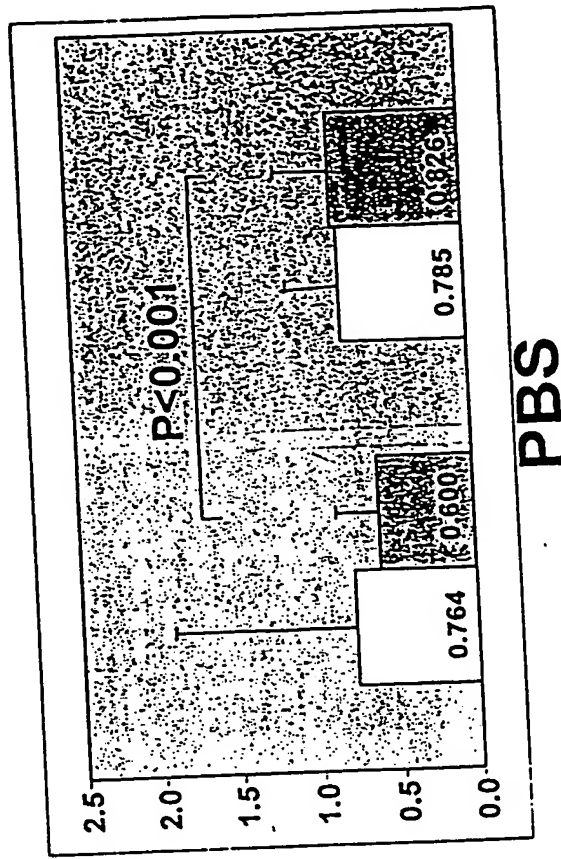
# Transmural Myocardial Blood Flow



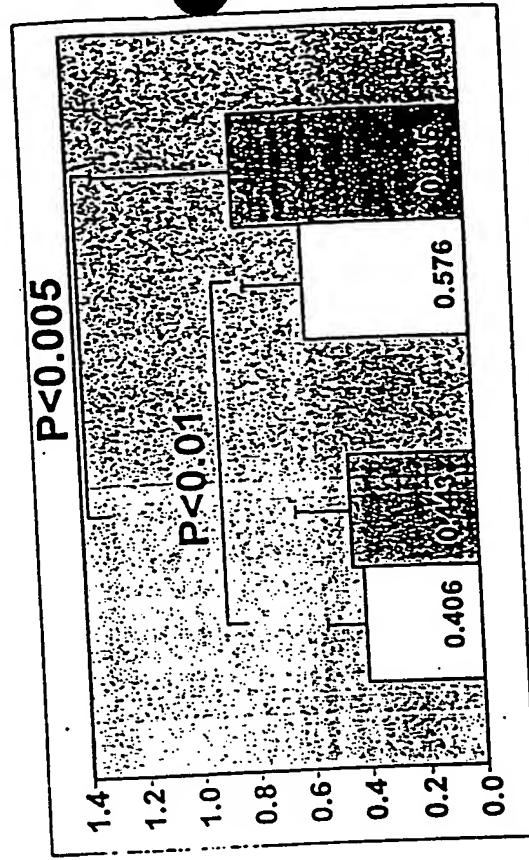
β-Gal



VEGF(Ischemic)



PBS



VEGF(Normal)



# Regional Wall Motion Score on

## Dobutamine Stress Echocardiography

Catheter

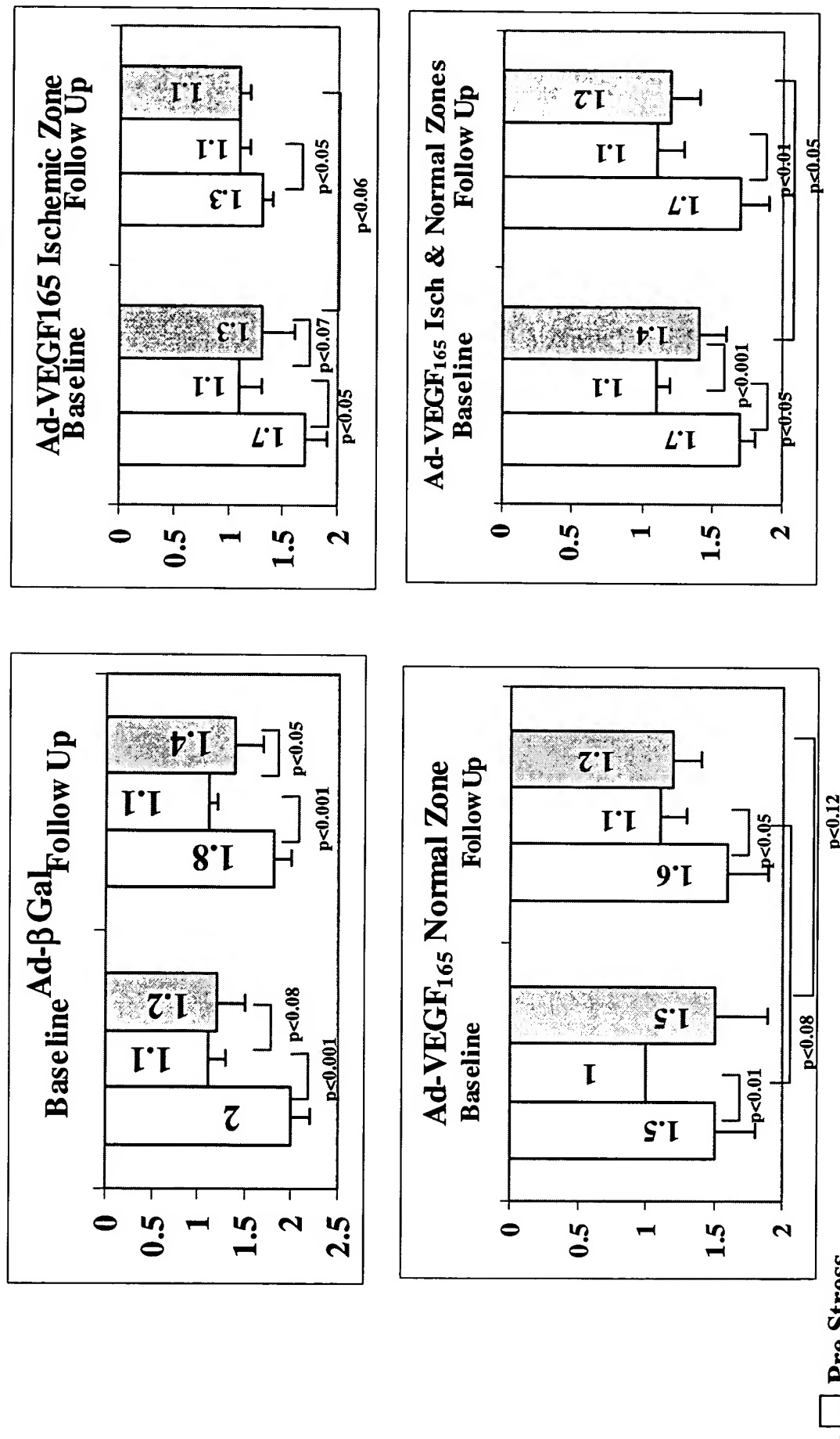
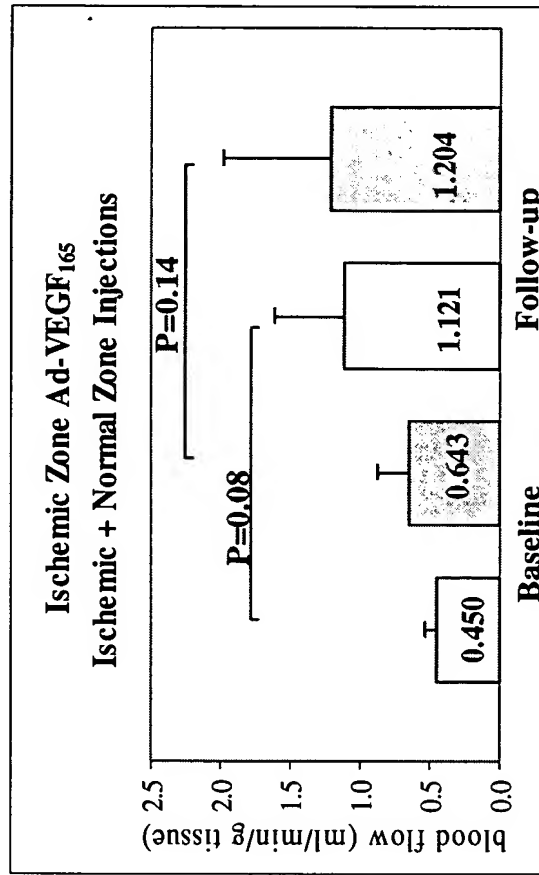
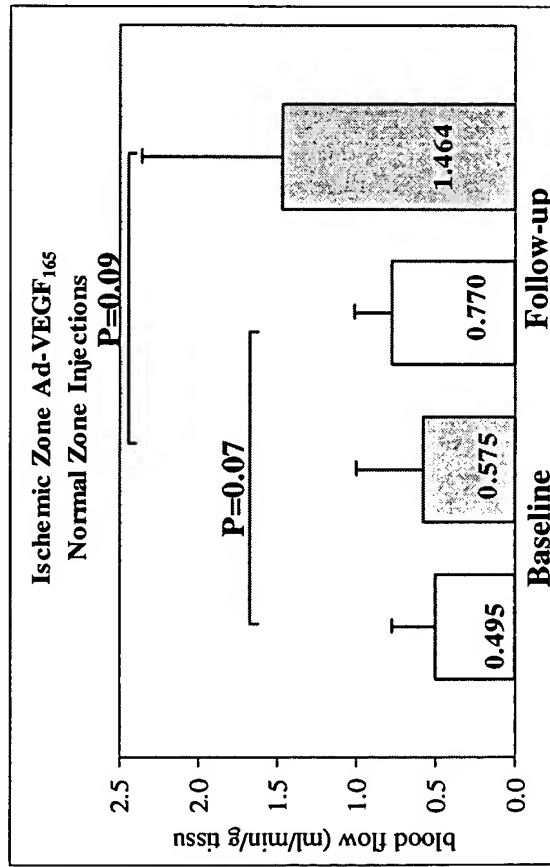
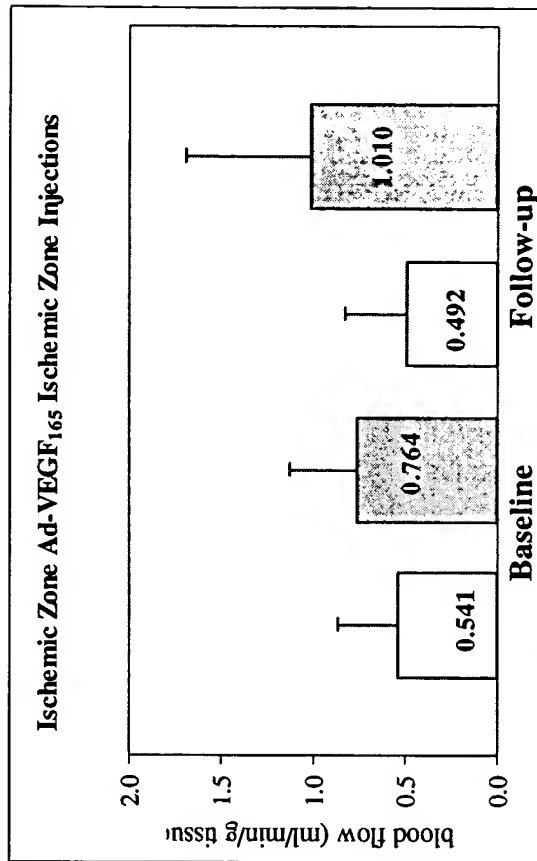
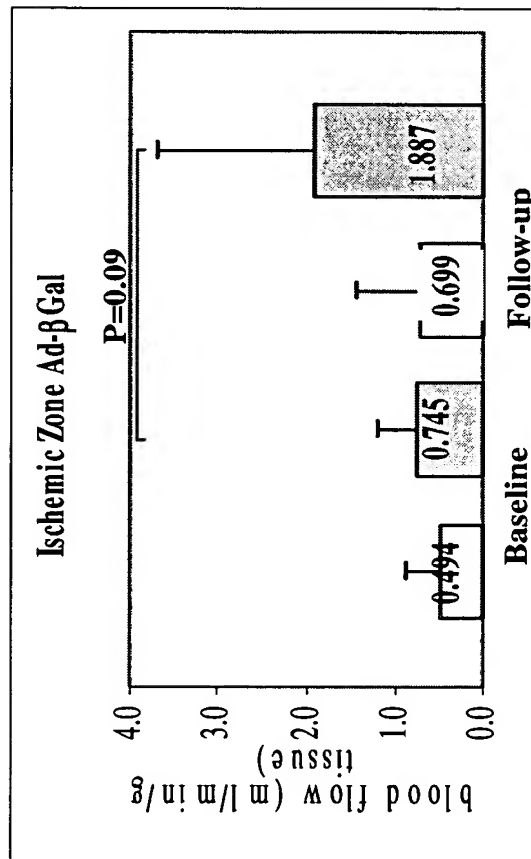


Figure 7

# Transmural Myocardial Blood Flow

Catheter



Rest  
After Adenosine



Figure 8



# Capillary Density

Catheter

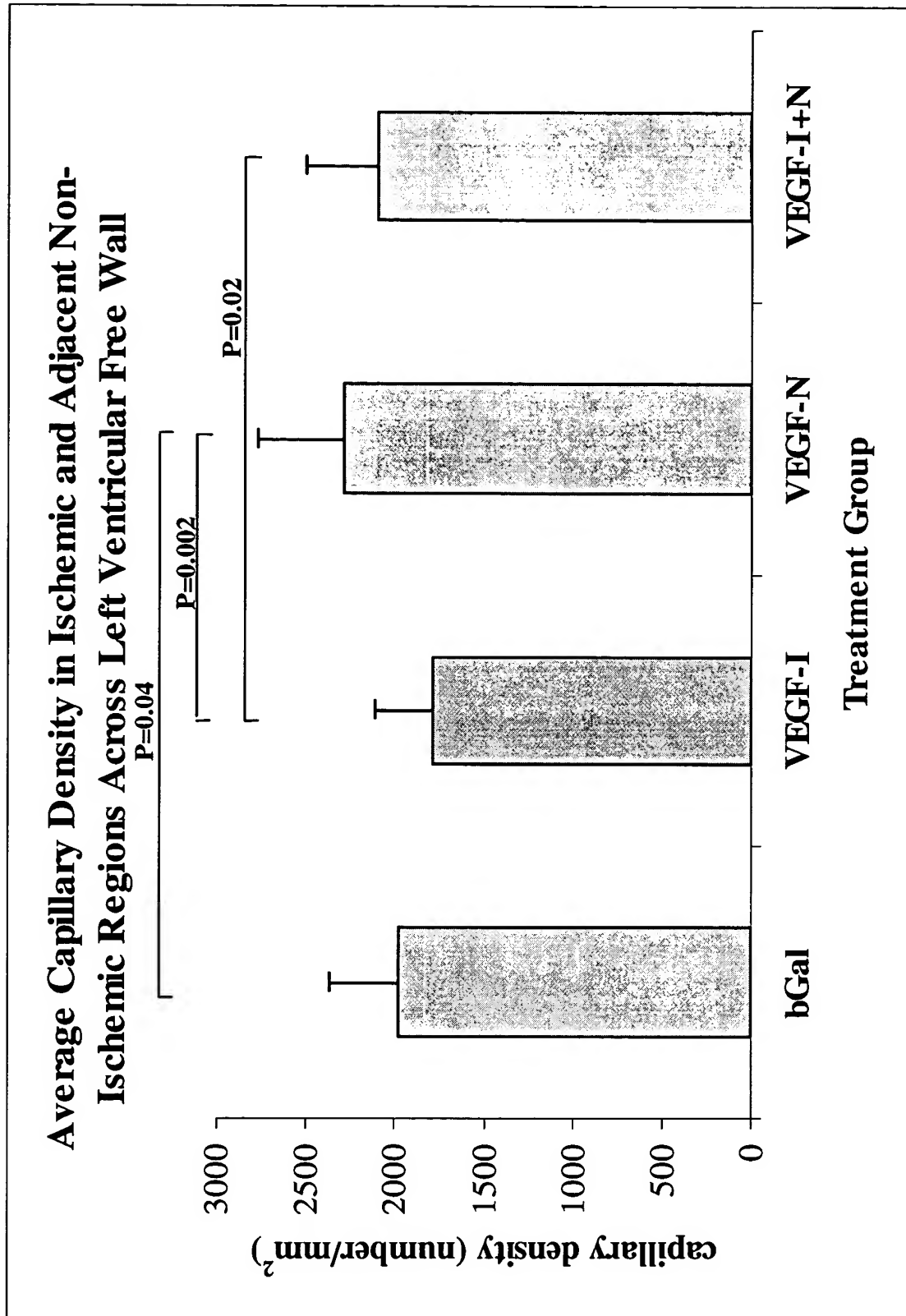


Figure 9